

POWER GENERATING DEVICE

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- **international:** H01M8/02; H01M8/04; H01M8/10; H01M8/02; H01M8/04; H01M8/10; (IPC1-7): H01M8/02; H01M8/04; H01M8/10
- **european:**
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PROBLEM TO BE SOLVED: To provide a power generating device capable of precluding cross-over of a liquid fuel and supplying the fuel stably to a negative electrode even if the liquid fuel has decreased or the vertically positional relation has varied. **SOLUTION:** A negative electrode 11 to oxidize the fuel and a positive electrode 12 to reduce oxygen are provided opposing each other, with an electrolyte layer 13 interposed. A liquid fuel storage part 14 is provided adjacent to the negative electrode 11. A space 14a for accommodating a liquid fuel L is provided in the liquid fuel storage part 14, and a liquid fuel impregnation part 15 is provided adjacent to the negative electrode 11. The liquid fuel impregnation part 15 is formed from a resin of polyperfluorosulfonic acid, and the liquid fuel L is refilled to near the negative electrode 11 by means of capillary phenomenon, etc. Thereby the amount of the liquid fuel L supplied to the negative electrode 11 is controlled to allow preventing cross-over, and even of the fuel L has decreased, stable supply to the negative electrode 11 is endured.

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